

Date: Sat, 19 Mar 94 04:30:29 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #70  
To: Ham-Equip

Ham-Equip Digest                      Sat, 19 Mar 94                      Volume 94 : Issue    70

Today's Topics:

190-550 Kc & 235 mHz-1 Ghz Rx's 4 Sale  
2M/70 cm through glass antennna recommendations?  
Computer controlled receiver  
Does anyone make a better AM filter for the TS-50?  
Drake TR7 Gen'l coverage mod  
FT-530 pl scan  
ICOM 765 Automatic Antenna Tuner General Coverage Dumb  
Icom R71A vs Icom R72  
looking for a suggestion: ICOM 765 or ?  
Need mobile tribander advice  
UPGRADING AN AMP  
VHF rig in a Toyota. Update. (2 msgs)  
Vince in France asking about TS50 vs 140 please e-mail  
Want-Transverters & Converters  
Want TM-421A

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: Wed, 16 Mar 1994 21:14:14 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!  
charnel.net.csuchico.edu!charnel!olivea!apple.com!gallant.apple.com!  
dfrancis.apple.com!user@network.ucsd.edu  
Subject: 190-550 Kc & 235 mHz-1 Ghz Rx's 4 Sale  
To: ham-equip@ucsd.edu

CV-1750/U Electronic Frequency Converter - covers 235 to 500 mHz &

490 MHz to 1 GHz in two bands. 3.5" x 19" (rack mount) - \$45  
(Hook it up to your scanner or HF rig and tune away!)

Western Electric BC 453-B Receiver - covers 190 to 550 Kc.  
Needs 24V & 250V DC. All tubes checked & good. - \$35  
(Army surplus, but in good shape)

Expect \$5 to \$10 shipping depending on where you live...

Replies to this e-mail or call (719) 382-2267 days (CST).

-----  
Date: 17 Mar 1994 14:10:53 -0800  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!netcomsv!  
abekas.com!tx!rob@network.ucsd.edu  
Subject: 2M/70 cm through glass antennna recommendations?  
To: ham-equip@ucsd.edu

lynch@jump (Scott Lynch) writes:

>I am looking for recomendations on a through the glass 2M/70 cm  
>dual band antenna. Ideally, I would like a small "cellular look-  
>alike" for everyday use that could be replaced with a 1/2 wave or  
>longer element for use on the highway or in fringe repeater areas.  
>I dont know if such an animal even exists or if making swaps like  
>this would screw up the SWR, etc.

>Scott Lynch  
>lynch@chdasinc.sps.mot.com

I use the Larsen Dual Bander. Good gain at the price of length. It also  
has the added advantage of not needing a ground plane on the inside of the  
glass that some other antennas need. It cost about 90 dollars when I bought  
it 2 years ago.

I wanted a cellular looking one originally as well, but opted for the Larsen  
since it was a dual bander (most short ones were only single band) and most  
of my ham friends gave it favorable reviews.

.rob.

--

Rob Antonio  
Abekas Video Systems Inc.  
KD6DT0

NET:rob@abekas.com  
UUCP:...!{uunet,sun}!pyramid!abekas!rob

1987 XLH

-----  
Date: Thu, 17 Mar 1994 20:18:52 GMT  
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.net.csuchico.edu!charnel!rat!  
zimmer!news@network.ucsd.edu  
Subject: Computer controlled receiver  
To: ham-equip@ucsd.edu

Check the Kenwood TS-850. I think it gives S-meter readings through

-----  
Date: 17 Mar 1994 14:16:35 GMT  
From: yale.edu!nigel.msen.com!ilium!gdls.com!usenet@yale.arpa  
Subject: Does anyone make a better AM filter for the TS-50?  
To: ham-equip@ucsd.edu

In <9cH6ic1w165w@jackatak.raider.net>, root@jackatak.raider.net (Jack GF Hill) writes:

>rdewan@casbah.acns.nwu.edu (Rajiv Dewan) writes:  
>> In article <hawley.763138723@aries>,  
>> Chuck Hawley <hawley@aries.scs.uiuc.edu> wrote:  
>> >dbraun@scdtintel.com (Doug Braun ) writes:  
>>  
>> >Has anyone noticed the raspy sound of CW on the TS50....  
>> >sounds kind of like a square wave at times. This is mobile  
>> >w/ a bugcatcher style antenna.  
>>

I have had a TS-50s for about 9 months now. I have the cw filter (does anyone even transmit on SSB? :- ) in it.

I guess I must have a different rig that most of you out there, because I've never experienced anything but excellent audio on this rig (although I do use an external Motorola mobile speaker. The audio in AM mode is better than I've experienced in a vast number of radios, and I might go as far as to say the best I've heard on an amateur radio. The CW performance is very good, and although not as good as my Signal/1, it's equal to or better than a lot of rigs.

So far, I've compared it to a Yaesu FT-707, FT-310, FR-101, Drake TR4CW, TR4C w/Sherwood mods, TR-7, Signal/1. While not an exhaustive list, these radios are good performers.

Bill

PS I don't do ICOM.

-----  
Date: Thu, 17 Mar 1994 20:26:15 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!greg@network.ucsd.edu  
Subject: Drake TR7 Gen'l coverage mod  
To: ham-equip@ucsd.edu

The easiest answer to WARC coverage on the TR7 is to remove the  
transmit-inhibit 'feature.'

Unfortunately, I've lost track of the faded fax that told me how  
to do it.

Does anybody have the info?

I'm still looking for another NB7, as well, or other 7-line goodies.

Greg

-----  
Date: 17 Mar 1994 20:44:04 -0500  
From: hp81.prod.aol.net!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: FT-530 pl scan  
To: ham-equip@ucsd.edu

The customer service rep at Yaesu said that the mistake in the manual about pl  
tone search is the most frequently asked question on the customer service  
lines....

You have to have the radio in Tone Tone Squelch mode for it to work.

-Wynn

-----  
Date: Fri, 18 Mar 94 10:19:19 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!sgiblab!cs.uoregon.edu!reuter.cse.ogi.edu!  
netnews.nwnet.net!serval!eecs.wsu.edu!glagowsk@network.ucsd.edu  
Subject: ICOM 765 Automatic Antenna Tuner General Coverage Dumb  
To: ham-equip@ucsd.edu

I am using my ICOM 765 for USAF MARS operation on frequencies in the  
2.6 mhz, 3.0 mhz, 4.5 mhz, 7.5 mhz, and other frequencies out of the

way from the usual amateur bands... Above 10mhz it works quite well on ANY frequency.... but below that it is "dumb" and doesn't converge on a good setting, even with a 50ohm dummy load.... I therefore resort to disabling the built in ATU and use an external one...

Has anyone discovered how to make the IC-765 internal ATU more "intelligent" with regard to operating on general coverage frequencies below 10 mhz????

--

- Terry G.

```
=====
Dr. Terry G. Glagowski      INTERNET: glagowsk@eecs.wsu.edu
Assistant Professor         PROFS:    glagowsk
Electrical Engr. & Computer Sci. LOCATION: 12th Floor Farm Credit Bldg.
Washington State University  PHONE:    (509) 456-3275
West 601 First Avenue       FAX:      (509) 456-2866
Spokane, WA 99204-0399      USAF MARS: AFA5BP   AMATEUR: W1TR
=====
```

-----  
Date: Thu, 17 Mar 1994 08:20:22 +0600  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!news.tamu.edu!idmb-secretary.tamu.edu!  
user@network.ucsd.edu  
Subject: Icom R71A vs Icom R72  
To: ham-equip@ucsd.edu

In article <2m7qm1\$3qg@clarknet.clark.net>, joseph1@clark.net (Joseph A. Liu) wrote:

> Which one is better?  
>

Most of the reviews I've read, including the one in the PASSPORT TO WORLD BAND RADIO, agree that the R71A is much better than the R72. The filters are not as good on the R72, and there are better radios than it in its price range. I've never used the R71A, but have the precursor, the R70, which doesn't have the direct entry keypad or computer control. It's a wonderful receiver, I have no complaints at all about it, and plan on using it in tandem with the TS-830 transceiver I'm planning on getting.

Troyce  
KC5CBI

--

-----  
Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at quality bookstores near you. I live with the author and want to go back to Disney World this year :)

-----  
-----  
Date: Fri, 18 Mar 1994 05:24:05 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!wupost!csus.edu!  
netcom.com!netcomsv!xyzzoom!rob@network.ucsd.edu  
Subject: looking for a suggestion: ICOM 765 or ?  
To: ham-equip@ucsd.edu

I have a Kenwood TS440SAT, and I haven't been that happy with the receiver performance. I am doing a lot more listening these days than talking, so would like something with good filter options and bandpass tuning, and just a better receiver in general. I was told by someone that the IC 765 transceiver is outstanding in receiver performance; I am not familiar with it, except that the local hamradio store doesn't sell them any more. I was also told that the IC728 has a good receiver but not as good as the 765.

I am getting back into SWL'ing more, so the receiver is really the most important item for me...

Can anyone suggest a transceiver under 1500\$ that would fill the bill?

Thanks  
--Rob

--  
Rob Lingelbach KB6CUN | 2660 Hollyridge Dr LA CA 90068 213 464 6266 (voice)  
rob@xyzzoom.info.com | "Forgiveness is the fragrance of the violet that  
robl@netcom.com | clings fast to the heel that crushed it" -Roemisch

-----  
Date: Thu, 17 Mar 1994 00:23:26 GMT  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!ncar!asuvax!pitstop.mcd.mot.com!  
mcdphx!jaj@network.ucsd.edu  
Subject: Need mobile tribander advice  
To: ham-equip@ucsd.edu

>> I have a Kenwood 742 configured with 220, 440, and 1200. I took out the 2 met  
>> band module that originally came with it and sold it. Kenwood does not offer  
>> this radio in this configuration (in the U.S., anyway) but it works great! I  
>> have had absolutely no problems with this radio in a year and it has a lot of  
>> features. My only complaint is the microphone - the DTMF buttons are hard to  
>> push.  
>>

> John,  
> I also have a 742 and love it. I would like to do something similar to what  
> you are running except that I want 50, 400 and 1200. Did you have to do  
> any mods to the 440 unit to get it to working in this configuration? I second  
> your opinion on the DTMF buttons on the mic. Look forward to your reply. 73

Jim,

Changing out the band modules requires a little mod work but not too much. Kenwood almost did it right by making the modules very similar and by using the same outer cases for them. The only thing different is that the main power connection comes into the 2 meter module. When you install a third band module, you swap out a power bus strip that extends the power bus on to the third band module. In essence, you bolt the three modules together into a brick, and part of the strapping is the power bus which originates in the 2 meter module.

If you look at the other modules, they have the holes in the PCB board for the power connector that comes on the 2 meter module. So, all you have to do is take it off the 2 meter module and put it on another. I put it on the 440 module because I knew that one would always be in the "system". It really is that simple. A local ham store does it and will sell to anyone a 742 with 2 440 modules or 2 2-meter modules for true full duplex with one slot left over. It works great because the control head doesn't care what the band is.

One other tidbit - you can put the modules in any order and they will come out on the control head in that order. Just make sure that after you swap the position of a module, you reset that module. Kenwood tells you to do this with any new module you install as the 3rd module. I didn't do this and found out the hard way that all the channels I had stored were lost after I powered off the radio. It fools you because it looks like everything is okay but it really isn't.

I know lots of people who have done this band module mod and it works fine. The only unknown is what Kenwood will do if I ever send it in for repair, but I think the local shop will help me if I do. They are Hardin Electronics in Fort Worth, Texas, and they advertise in the back of QST. They might even buy your 2 meter module if you want to sell it. (No, I don't work there or own stock, but the manager, Lee, is a good friend of mine.)

Good luck!

--

John A. Johnson N5NHH  
Systems Engineer  
Motorola Computer Group  
Dallas, Texas

\  
 \ \_\_o  
 \_'\<\_  
(\*)/ '(\*)

"A spare tube & a radio - don't leave  
home without them!"  
  
jaj@dal.mcd.mot.com

-----  
Date: Fri, 18 Mar 1994 01:43:26 GMT  
From: ihnp4.ucsd.edu!sdd.hp.com!hp-cv!hp-pcd!hpspkla!depaul@network.ucsd.edu  
Subject: UPGRADING AN AMP  
To: ham-equip@ucsd.edu

Hello folks.

I've got a Clipperton-L, which uses 4-572B's. Aside from the AG6K suppressor kit, what upgrades can I make to the amp to bring the performance/componentry up to current level?

Thanks for your help,

Marc DePaul  
depaul@hpspkf.spk.hp.com

-----  
Date: Fri, 18 Mar 1994 13:59:11 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.moneng.mei.com!uwm.edu!mixcom.com!kevin.jessup@network.ucsd.edu  
Subject: VHF rig in a Toyota. Update.  
To: ham-equip@ucsd.edu

I previously asked about installing a 50 Watt 2-meter/70cm rig in a Toyota or Honda. I received a couple of horror stories saying not to try it as the ECU will most likely be damaged.

I wrote to Toyota and received an amateur radio application note that was not very encouraging.

Well I got sick of connecting antennas, power supplies and speaker mikes to my HT every time I got in and out of the car so I installed a Yaesu FT2400H 50 Watt 2-meter mobile rig in my 1991 Toyota Tercel (bottom of the line) car. I started the car and started transmitting at 5 watts while listening for any change in engine performance such as funny noises or rough idling. I then went to 25 and 50 Watts and had no problems. Hopefully, things will continue that way. No funny dashboard electronics or problems with the stereo either.

In the Tercel, the engine computer is mounted dead center of the dashboard just behind and below the radio. I mounted the Yaesu under the passenger side dash (almost eliminating what little leg room there was) about 8 inches to the right of the ECU.



I ran 14 guage wire for the power supply directly to the battery by poking the wire through the wide grommet used for the air conditioning condensor drain.

The antenna is a Comet dual bander on a trunk lip mount using the Comet low-loss coax.

The Honda is next.

Regardless of my results, Toyota owners should proceede at their own risk!

Good luck and 73!

```
--
  /'-_      kevin.jessup@mixcom.com
{      }/    Marquette Electronics, Inc
 \      /    N9SQB, ARRL, Amateur Radio
  |__*|     N9SQB @ WD9ANY.#MKE.WI.USA.NA
```

-----  
Date: 18 Mar 94 15:37:11 GMT  
From: yuma!galen@purdue.edu  
Subject: VHF rig in a Toyota. Update.  
To: ham-equip@ucsd.edu

In article <1994Mar18.135911.17793@mixcom.mixcom.com> kevin jessup  
<kevin.jessup@mixcom.mixcom.com> writes:  
>I previously asked about installing a 50 Watt 2-meter/70cm rig in  
>a Toyota or Honda. I received a couple of horror stories saying  
>not to try it as the ECU will most likely be damaged.  
>  
>I wrote to Toyota and received and amateur radio application note  
>that was not very encouraging.

\*\*\*\*Tercel installation details deleted\*\*\*\*  
\*\*\*\*It was a success\*\*\*\*  
>Regardless of my results, Toyota owners should proceede at their  
>own risk!

Could you elaborate as to what Toyota said in their app note?  
Galen, KF0YJ

-----

Date: Fri, 18 Mar 1994 02:04:17 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!wupost!csus.edu!  
netcom.com!dgf@network.ucsd.edu  
Subject: Vince in France asking about TS50 vs 140 please e-mail  
To: ham-equip@ucsd.edu

Sorry I lost your e-mail address. We have been e-mailing about TS50 vs  
140 vs 450. Could you please e-mail me again so I can get your address?  
Thanx! 73 Dave WB0GAZ dgf@netcom.com

-----  
Date: 17 Mar 94 04:59:11 MDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!  
utah-morgan!hellgate.utah.edu!cc.usu.edu!NewsWatcher!user@network.ucsd.edu  
Subject: Want-Transverters & Converters  
To: ham-equip@ucsd.edu

Want 2 meter or 435mhz transverters or receive only converters.  
Must be solid state.  
Reply here or call 412-244-618

--  
Regards,  
Dick Boley N3HKN Pittsburgh

-----  
Date: 17 Mar 1994 15:01:43 -0800  
From: ihnp4.ucsd.edu!usc!usc!not-for-mail@network.ucsd.edu  
Subject: Want TM-421A  
To: ham-equip@ucsd.edu

I would like to get a Kenwood TM-421A, a 35 watt 440Mhz FM rig.  
Please e-mail with ur quote. Tnx.

Dick

--  
Richard Mead, Computer Services Engineer (213) 740-2957  
University Computing Services, University of Southern California  
NET: mead@usc.edu, AmericaOnline: DICKMEAD, Hamradio: WB6NGC@K6VE

-----  
End of Ham-Equip Digest V94 #70

\*\*\*\*\*